

Claims

What is claimed is the following:

1. A self watering system for plant displays, wherein said system comprises:

a display support structure;

a top on said display support structure;

5 said top having side panels and a bottom having a water tight connection;

a reservoir placed in said top between said side panels;

said reservoir capable of supporting plants without submersing said plants in water;

a water supply for providing water in said reservoir and said perforations; and

10 a capillary mat placed on top of said reservoir.

2. The system of claim 1 wherein said reservoir includes:

a plurality of perforations forming a honeycomb material for containing water.

3. The system of claim 1 wherein said reservoir includes:

a thickness sufficient to prevent said capillary mat from being submersed in the water.

4. The system of claim 1 wherein said capillary mat includes:

a material for the plants to sit upon while wicking water from said reservoir to the root structure of the plants.

5. The system of claim 1 wherein said capillary mat includes:

a material formed from a woven barrier fabric for the plants to sit upon while wicking water from said reservoir to the root structure of the plants.

6. The system of claim 1 wherein said water supply includes:
at least one water supply pipe extending along one side of said top and
having a series of spaced perforations for providing water evenly to said reservoir.

7. The system of claim 1 wherein said system includes:
at least one stand pipe for allowing said top to drain to prevent overfilling.

8. A self watering system for plant displays, wherein said system
comprises:

a display support structure;

a top on said display support structure;

5 said top having side panels and a bottom having a water tight connection;

a reservoir having a series of perforations for holding water placed in said top
between said side panels;

said reservoir capable of supporting plants without submersing said plants in
water;

10 at least one water supply pipe extending along one side of said top for
providing water in said reservoir and said perforations; and
a capillary mat placed on top of said reservoir.

9. The system of claim 8 wherein said reservoir includes:
a thickness sufficient to prevent said capillary mat from being submersed in
the water.

10. The system of claim 8 wherein said capillary mat includes:
a material for the plants to sit upon while wicking water from said reservoir
to the root structure of the plants.

11. The system of claim 8 wherein said capillary mat includes:
a material formed from a woven barrier fabric for the plants to sit upon while
wicking water from said reservoir to the root structure of the plants.

12. The system of claim 8 wherein said water supply includes:
said at least one water supply pipe having a series of spaced perforations for
providing water evenly to said reservoir.

13. The system of claim 8 wherein said system includes:
at least one stand pipe for allowing said top to drain to prevent overfilling.

14. A method for self watering of plants on a display structure having a
top with side panels and a bottom, said method includes:

providing a reservoir on said bottom capable of supporting the plants;

providing a water supply to provide water to said reservoir;

5 providing a capillary mat on top of said reservoir for supporting the plants
and for absorbing water from said reservoir until said capillary mat is saturated;
wherein the roots of the plants absorb water from said saturated capillary mat.

15. The method of claim 14 wherein said step of providing said reservoir
includes:

providing a plurality of perforations in said reservoir to contain water.

16. The method of claim 14 wherein said step of providing said water
supply includes:

providing a water supply pipe along one side of said top having a plurality of
perforations for providing water evenly across said reservoir.

5 17. The method of claim 14 wherein said step of providing a capillary
mat includes:

providing a mat formed from a woven barrier fabric that plants may sit upon.